

Datasheet for ABIN7563248
Nkx2-2 Protein (AA 1-273) (His tag)



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Overview

Quantity:	1 mg
Target:	Nkx2-2
Protein Characteristics:	AA 1-273
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Nkx2-2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nkx2-2 Protein expressed in mammalian cells.
Sequence:	MSLTNTKTGF SVKDILDLPD TNDEDGSVAE GPEEESEGPE PAKRAGPLGQ GALDAVQSLP LKSPFYDSSD NPYTRWLAST EGLQYSLHGL AASAPPQDSS SKSPEPSADE SPDNDKETQG GGGDAGKKRK RRVLFKAQT YELERRFRQQ RYLSAPEREH LASLIRLTPT QVKIWFQNHR YKMKRARA EK GMEVTPSP RRVAVPVLVR DGKPCHALKA QDLAAATFQA GIFSAYSAQ SLQHMQYNAQ YSSASTPQYP TAHPLVQAQQ WTW Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Nkx2-2
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Alternative Name:	Nkx2-2 (Nkx2-2 Products)
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Background:	Homeobox protein Nkx-2.2 (Homeobox protein NK-2 homolog B),FUNCTION: Transcriptional activator involved in the development of insulin-producing beta cells in the endocrine pancreas (PubMed:11076772). May also be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Binds to elements within the NEUROD1 promoter (PubMed:19759004). {ECO:0000269 PubMed:11076772, ECO:0000269 PubMed:19759004}.
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Molecular Weight:	30.1 kDa
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UniProt:	P42586
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Pathways:	Dopaminergic Neurogenesis
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months